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**Review and Approval Policies for SAR Evaluation of Laptop Computers
with Antennas Built-in on Display Screens**

This document provides equipment authorization review and approval policies for equipment that is evaluated using the FCC procedures of KDB Publication 616217, *SAR Evaluation Considerations for Laptop Computers with Antennas Built-in on Display Screens*. Other general and specific procedures and policies applicable for some devices for RF exposure in mobile and portable device equipment authorization are given in KDB 447498.¹

- 1) The transmitter configurations must be fully documented within an application filing. The laptop computer procedures are used to determine the SAR evaluation requirements.²
- 2) OEM installation and user operating requirements are to be documented in the filing.
- 3) Any changes to the equipment configuration that results in SAR evaluation may require either a new certification filing or a permissive change.
- 4) Recommended grant condition (also include other remarks on grant where applicable, e.g. Limited Modular Approval, type of output power):
 - This transmitter is approved for use in configurations specified in the application filing. Operating and installation requirements must be provided. Additional equipment authorization is required for changes that result in the need for SAR evaluation.
- 5) Subsequent changes to the equipment require the application of the permissive change rules and policies in KDB 178919. The laptop computer procedures are used to determine if additional SAR evaluation is required. If SAR evaluation is required then a Class II permissive change is required.
- 6) Transmitters approved prior to the release of the laptop computer procedures, with collocation or simultaneous transmission restrictions, may be incorporated in laptop computers according to the laptop computer procedures when the grantee(s) determines that additional SAR evaluation is not required; otherwise, additional equipment authorization is required.
- 7) In addition to the laptop computer procedures, OEM integrators must satisfy other grant conditions, operating and installation requirements for all transmitters incorporated in a laptop computer; for example, Part 15 modular, EMC, or mobile operating requirements.
- 8) Simultaneous-transmission EMC / radio parameter evaluation is required when transmitters share a common antenna or coordinate transmissions.
- 9) Two-way authentication is required for user-installable modules with antennas integrated (pre-installed) in host products.

¹ *Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies*, KDB 447498.

² Laptop computer procedures refers to the procedures in *SAR Evaluation Considerations for Laptop Computers with Antennas Built-in on Display Screens*, KDB 616217.